ANALYTICAL REPORT

June 13, 2025

Revised Report

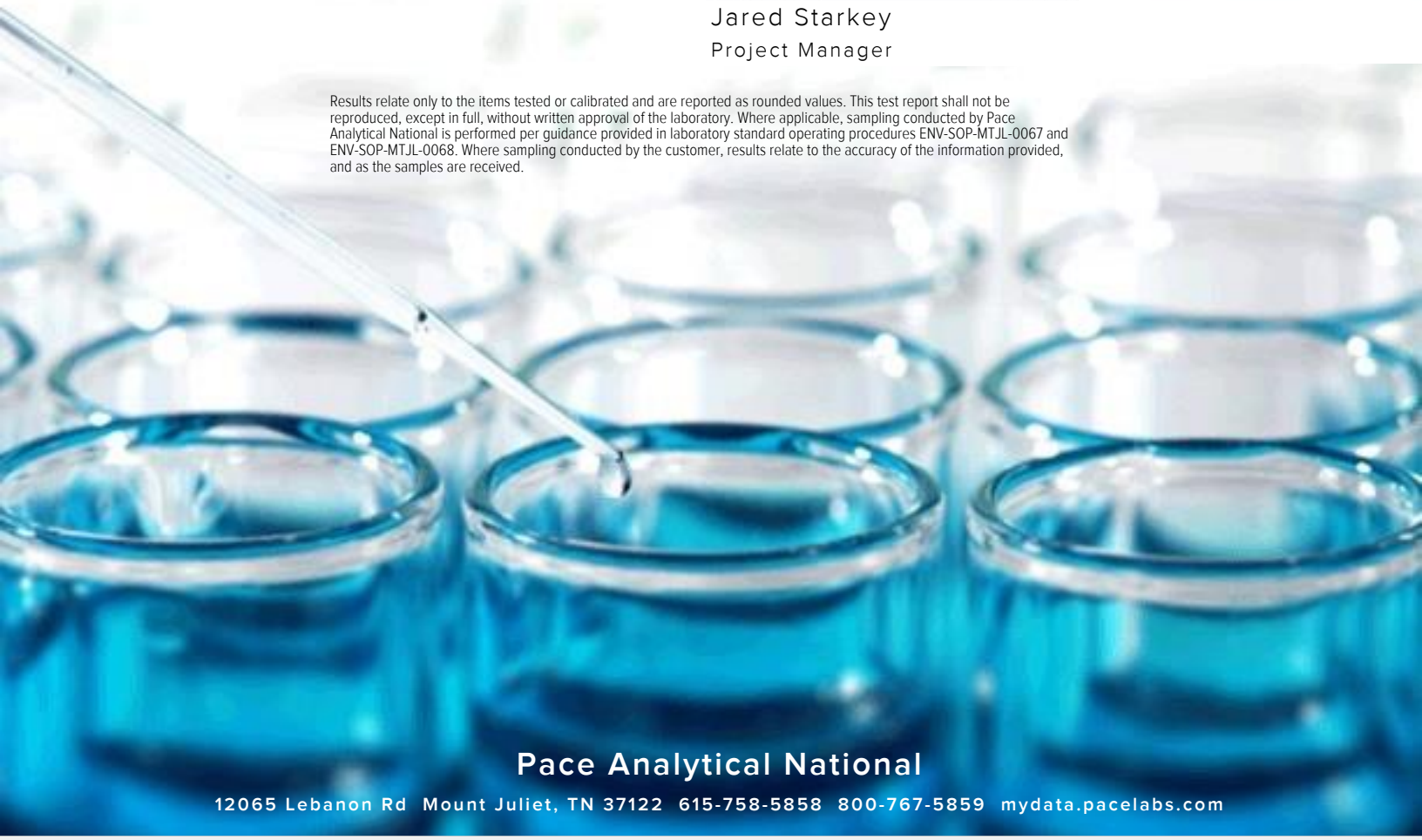
Pace Analytical Services, LLC
2025.06.13 21:02:12 -05'00'
Document is certified

CTEH - ER

Sample Delivery Group:	L1864785
Samples Received:	05/31/2025
Project Number:	PROJ-054017
Description:	Bishop Loss of Containment Incident
Report To:	CTEH
	5120 North Shore Drive
	North Little Rock, AR 72118

Entire Report Reviewed By:

Jared Starkey
Project Manager



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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GACO0530SDW001 L1864785-01

Collected by	Collected date/time	Received date/time
	05/30/25 08:15	05/31/25 11:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2532205	1	06/07/25 15:33	06/07/25 15:33	JDW	Mt. Juliet, TN
Gravimetric Analysis by Method 2540 C-2011	WG2527849	1	05/31/25 13:18	05/31/25 17:27	JAC	Mt. Juliet, TN
Gravimetric Analysis by Method 2540 D-2020	WG2527868	1	05/31/25 13:58	05/31/25 14:50	AMG	Mt. Juliet, TN
Wet Chemistry by Method 130.1	WG2527832	1	06/01/25 13:37	06/02/25 21:39	CAT	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2527910	1	05/31/25 18:50	05/31/25 18:50	KRB	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2527824	1	05/31/25 23:23	05/31/25 23:23	DLH	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2527824	10	05/31/25 23:36	05/31/25 23:36	DLH	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2528375	1	06/02/25 00:49	06/02/25 00:49	RTW	Mt. Juliet, TN
Wet Chemistry by Method 351.2	WG2532205	1	06/06/25 12:49	06/07/25 15:33	JDW	Mt. Juliet, TN
Wet Chemistry by Method 365.4	WG2531094	1	06/04/25 06:51	06/04/25 21:58	AEC	Mt. Juliet, TN
Wet Chemistry by Method 5310 B-2014	WG2527858	1	06/01/25 02:17	06/01/25 02:17	ASH	Mt. Juliet, TN
Wet Chemistry by Method 5540 C-2011	WG2527876	1	05/31/25 14:00	05/31/25 20:31	ARV	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2527844	1	06/03/25 08:35	06/03/25 08:35	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2527949	1	05/31/25 16:45	05/31/25 16:45	KRB	Mt. Juliet, TN
Mercury by Method 7470A	WG2527912	1	05/31/25 15:24	05/31/25 18:45	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2527848	1	05/31/25 15:02	06/01/25 23:42	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2527853	1	05/31/25 16:07	06/01/25 22:17	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2527864	1	05/31/25 20:25	05/31/25 20:25	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2527996	1	05/31/25 20:58	05/31/25 20:58	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015D	WG2527842	1	05/31/25 14:25	06/01/25 00:59	CAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2527847	1	05/31/25 15:34	06/01/25 00:39	LS	Mt. Juliet, TN

GACO0530SDWT001 L1864785-02

Collected by	Collected date/time	Received date/time
	05/30/25 07:00	05/31/25 11:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2527996	1	05/31/25 20:38	05/31/25 20:38	JAH	Mt. Juliet, TN

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jared Starkey
Project Manager

Report Revision History

Level II Report - Version 1: 06/08/25 13:09

Project Comments

EDDs

Sample Delivery Group (SDG) Narrative

The following samples were prepared and/or analyzed past recommended holding time. Concentrations should be considered minimum values.

Batch	Method	Lab Sample ID
WG2527949	9040C	L1864785-01

Wet Chemistry by Method 300.0

The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).

Batch	Lab Sample ID	Analytes
WG2527824	(MS) R4223719-7	Sulfate

RPD value not applicable for sample concentrations less than 5 times the reporting limit.

Batch	Lab Sample ID	Analytes
WG2527824	(DUP) R4223719-6	Nitrite as (N)

The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Batch	Lab Sample ID	Analytes
WG2527824	(MS) R4223719-7, (MS) R4223719-4, (MSD) R4223719-5	Chloride and Sulfate

The sample concentration is too high to evaluate accurate spike recoveries.

Batch	Lab Sample ID	Analytes
WG2527824	(MS) R4223719-7	Sulfate

Wet Chemistry by Method 351.2

The sample matrix interfered with the ability to make any accurate determination; spike value is high.

Batch	Lab Sample ID	Analytes
WG2532205	(MSD) R4227235-9	Kjeldahl Nitrogen, TKN

Wet Chemistry by Method 365.4

The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Batch	Lab Sample ID	Analytes
WG2531094	(MS) R4225693-4, (MSD) R4225693-5	Phosphorus,Total

Wet Chemistry by Method 5310 B-2014

The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Batch	Lab Sample ID	Analytes
WG2527858	(MS) R4223606-3, (MSD) R4223606-4	TOC (Total Organic Carbon)

Wet Chemistry by Method 5540 C-2011

The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Batch	Lab Sample ID	Analytes
WG2527876	(MS) R4223562-3, (MSD) R4223562-4	MBAS

Wet Chemistry by Method 7199

The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Batch	Lab Sample ID	Analytes
WG2527844	(MS) R4224569-5, (MS) R4224569-6, (MSD) R4224569-7, L1864785-01	Hexavalent Chromium

Metals (ICPMS) by Method 6020B

The sample matrix interfered with the ability to make any accurate determination; spike value is high.

Batch	Lab Sample ID	Analytes
WG2527853	(MSD) R4223817-5	Aluminum and Iron

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG2527853	(MSD) R4223817-5	Aluminum and Iron

Volatile Organic Compounds (GC/MS) by Method 8260D

The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.

Batch	Lab Sample ID	Analytes
WG2527996	L1864785-01	Naphthalene
WG2527996	L1864785-02	Naphthalene

The associated batch QC was above the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG2527996	(LCS) R4223638-1, L1864785-01, 02	1,1,2-Trichloroethane and Methylene Chloride

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG2527996	(MSD) R4223638-5	23 analytes

Semi-Volatile Organic Compounds (GC) by Method 8015D

Surrogate recovery limits have been exceeded; values are outside lower control limits.

Batch	Analyte	Lab Sample ID
WG2527842	o-Terphenyl	L1864785-01

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

The associated batch QC was below the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG2527847	(LCS) R4223624-1, (LCSD) R4223624-2, L1864785-01	Benzidine

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG2527847	(LCSD) R4223624-2, L1864785-01	Pentachlorophenol

Calculated Results

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Total Nitrogen	1490		100	1	06/07/2025 15:33	WG2532205

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1580000		25000	1	05/31/2025 17:27	WG2527849

Gravimetric Analysis by Method 2540 D-2020

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Suspended Solids	45700		17900	1	05/31/2025 14:50	WG2527868

Wet Chemistry by Method 130.1

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Hardness (colorimetric) as CaCO3	107000		30000	1	06/02/2025 21:39	WG2527832

Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	131000		20000	1	05/31/2025 18:50	WG2527910
Alkalinity,Bicarbonate	131000		20000	1	05/31/2025 18:50	WG2527910
Alkalinity,Carbonate	ND		20000	1	05/31/2025 18:50	WG2527910

Sample Narrative:

L1864785-01 WG2527910: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 300.0

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Bromide	ND		1000	1	05/31/2025 23:23	WG2527824
Chloride	117000		10000	10	05/31/2025 23:36	WG2527824
Fluoride	920		150	1	05/31/2025 23:23	WG2527824
Nitrate as (N)	ND		100	1	05/31/2025 23:23	WG2527824
Nitrite as (N)	ND		100	1	05/31/2025 23:23	WG2527824
Sulfate	904000		50000	10	05/31/2025 23:36	WG2527824

Wet Chemistry by Method 350.1

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		100	1	06/02/2025 00:49	WG2528375

Wet Chemistry by Method 351.2

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	1490		250	1	06/07/2025 15:33	WG2532205

Wet Chemistry by Method 365.4

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Phosphorus,Total	ND		100	1	06/04/2025 21:58	WG2531094

Wet Chemistry by Method 5310 B-2014

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	14900		1000	1	06/01/2025 02:17	WG2527858

Wet Chemistry by Method 5540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
MBAS	ND		100	1	05/31/2025 20:31	WG2527876

Wet Chemistry by Method 7199

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND	J6	0.500	1	06/03/2025 08:35	WG2527844

Wet Chemistry by Method 9040C

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.05	T8	1	05/31/2025 16:45	WG2527949

Sample Narrative:

L1864785-01 WG2527949: 8.05 at 22.3C

Mercury by Method 7470A

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.200	1	05/31/2025 18:45	WG2527912

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Aluminum	ND		100	1	06/01/2025 22:17	WG2527853
Aluminum,Dissolved	ND		100	1	06/01/2025 23:42	WG2527848
Antimony	ND		4.00	1	06/01/2025 22:17	WG2527853
Arsenic	ND		2.00	1	06/01/2025 22:17	WG2527853
Arsenic,Dissolved	ND		2.00	1	06/01/2025 23:42	WG2527848
Barium	55.2		2.00	1	06/01/2025 22:17	WG2527853
Beryllium	ND		2.00	1	06/01/2025 22:17	WG2527853
Boron	345		30.0	1	06/01/2025 22:17	WG2527853
Cadmium	ND		1.00	1	06/01/2025 22:17	WG2527853
Cadmium,Dissolved	ND		1.00	1	06/01/2025 23:42	WG2527848
Calcium	118000		1000	1	06/01/2025 22:17	WG2527853
Chromium	ND		2.00	1	06/01/2025 22:17	WG2527853
Chromium,Dissolved	ND		2.00	1	06/01/2025 23:42	WG2527848
Copper	ND		5.00	1	06/01/2025 22:17	WG2527853
Copper,Dissolved	ND		5.00	1	06/01/2025 23:42	WG2527848
Cobalt	ND		2.00	1	06/01/2025 22:17	WG2527853
Iron	ND		100	1	06/01/2025 22:17	WG2527853
Lead	ND		2.00	1	06/01/2025 22:17	WG2527853
Lead,Dissolved	ND		2.00	1	06/01/2025 23:42	WG2527848
Magnesium	75300		1000	1	06/01/2025 22:17	WG2527853
Manganese	10.8		5.00	1	06/01/2025 22:17	WG2527853
Manganese,Dissolved	235		5.00	1	06/01/2025 23:42	WG2527848
Nickel	ND		2.00	1	06/01/2025 22:17	WG2527853
Nickel,Dissolved	ND		2.00	1	06/01/2025 23:42	WG2527848
Potassium	16500		2000	1	06/01/2025 22:17	WG2527853
Selenium	ND		2.00	1	06/01/2025 22:17	WG2527853

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Selenium,Dissolved	ND		2.00	1	06/01/2025 23:42	WG2527848
Silver	ND		2.00	1	06/01/2025 22:17	WG2527853
Silver,Dissolved	ND		2.00	1	06/01/2025 23:42	WG2527848
Sodium	282000		2000	1	06/01/2025 22:17	WG2527853
Thallium	ND		2.00	1	06/01/2025 22:17	WG2527853
Vanadium	ND		5.00	1	06/01/2025 22:17	WG2527853
Zinc	ND		25.0	1	06/01/2025 22:17	WG2527853
Zinc,Dissolved	ND		25.0	1	06/01/2025 23:42	WG2527848

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		100	1	05/31/2025 20:25	WG2527864
(S) a,a,a-Trifluorotoluene(FID)	*103*		*78.0-120*		*05/31/2025 20:25*	WG2527864

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	05/31/2025 20:58	WG2527996
Acrolein	ND		50.0	1	05/31/2025 20:58	WG2527996
Acrylonitrile	ND		10.0	1	05/31/2025 20:58	WG2527996
Benzene	ND		1.00	1	05/31/2025 20:58	WG2527996
Bromobenzene	ND		1.00	1	05/31/2025 20:58	WG2527996
Bromodichloromethane	ND		1.00	1	05/31/2025 20:58	WG2527996
Bromoform	ND		1.00	1	05/31/2025 20:58	WG2527996
Bromomethane	ND		5.00	1	05/31/2025 20:58	WG2527996
n-Butylbenzene	ND		1.00	1	05/31/2025 20:58	WG2527996
sec-Butylbenzene	ND		1.00	1	05/31/2025 20:58	WG2527996
tert-Butylbenzene	ND		1.00	1	05/31/2025 20:58	WG2527996
Carbon tetrachloride	ND		1.00	1	05/31/2025 20:58	WG2527996
Chlorobenzene	ND		1.00	1	05/31/2025 20:58	WG2527996
Chlorodibromomethane	ND		1.00	1	05/31/2025 20:58	WG2527996
Chloroethane	ND		5.00	1	05/31/2025 20:58	WG2527996
Chloroform	ND		5.00	1	05/31/2025 20:58	WG2527996
Chloromethane	ND		2.50	1	05/31/2025 20:58	WG2527996
2-Chlorotoluene	ND		1.00	1	05/31/2025 20:58	WG2527996
4-Chlorotoluene	ND		1.00	1	05/31/2025 20:58	WG2527996
1,2-Dibromo-3-Chloropropane	ND		5.00	1	05/31/2025 20:58	WG2527996
1,2-Dibromoethane	ND		1.00	1	05/31/2025 20:58	WG2527996
Dibromomethane	ND		1.00	1	05/31/2025 20:58	WG2527996
1,2-Dichlorobenzene	ND		1.00	1	05/31/2025 20:58	WG2527996
1,3-Dichlorobenzene	ND		1.00	1	05/31/2025 20:58	WG2527996
1,4-Dichlorobenzene	ND		1.00	1	05/31/2025 20:58	WG2527996
Dichlorodifluoromethane	ND		5.00	1	05/31/2025 20:58	WG2527996
1,1-Dichloroethane	ND		1.00	1	05/31/2025 20:58	WG2527996
1,2-Dichloroethane	ND		1.00	1	05/31/2025 20:58	WG2527996
1,1-Dichloroethene	ND		1.00	1	05/31/2025 20:58	WG2527996
cis-1,2-Dichloroethene	ND		1.00	1	05/31/2025 20:58	WG2527996
trans-1,2-Dichloroethene	ND		1.00	1	05/31/2025 20:58	WG2527996
1,2-Dichloropropane	ND		1.00	1	05/31/2025 20:58	WG2527996
1,1-Dichloropropene	ND		1.00	1	05/31/2025 20:58	WG2527996
1,3-Dichloropropane	ND		1.00	1	05/31/2025 20:58	WG2527996
cis-1,3-Dichloropropene	ND		1.00	1	05/31/2025 20:58	WG2527996
trans-1,3-Dichloropropene	ND		1.00	1	05/31/2025 20:58	WG2527996
2,2-Dichloropropane	ND		1.00	1	05/31/2025 20:58	WG2527996

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Di-isopropyl ether	ND		1.00	1	05/31/2025 20:58	WG2527996
Ethylbenzene	ND		1.00	1	05/31/2025 20:58	WG2527996
Hexachloro-1,3-butadiene	ND		1.00	1	05/31/2025 20:58	WG2527996
Isopropylbenzene	ND		1.00	1	05/31/2025 20:58	WG2527996
p-Isopropyltoluene	ND		1.00	1	05/31/2025 20:58	WG2527996
2-Butanone (MEK)	ND		10.0	1	05/31/2025 20:58	WG2527996
Methylene Chloride	ND	J4	5.00	1	05/31/2025 20:58	WG2527996
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	05/31/2025 20:58	WG2527996
Methyl tert-butyl ether	ND		1.00	1	05/31/2025 20:58	WG2527996
Naphthalene	ND	C3	5.00	1	05/31/2025 20:58	WG2527996
n-Propylbenzene	ND		1.00	1	05/31/2025 20:58	WG2527996
Styrene	ND		1.00	1	05/31/2025 20:58	WG2527996
1,1,1,2-Tetrachloroethane	ND		1.00	1	05/31/2025 20:58	WG2527996
1,1,2,2-Tetrachloroethane	ND		1.00	1	05/31/2025 20:58	WG2527996
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	05/31/2025 20:58	WG2527996
Tetrachloroethene	ND		1.00	1	05/31/2025 20:58	WG2527996
Toluene	ND		1.00	1	05/31/2025 20:58	WG2527996
1,2,3-Trichlorobenzene	ND		1.00	1	05/31/2025 20:58	WG2527996
1,2,4-Trichlorobenzene	ND		1.00	1	05/31/2025 20:58	WG2527996
1,1,1-Trichloroethane	ND		1.00	1	05/31/2025 20:58	WG2527996
1,1,2-Trichloroethane	ND	J4	1.00	1	05/31/2025 20:58	WG2527996
Trichloroethene	ND		1.00	1	05/31/2025 20:58	WG2527996
Trichlorofluoromethane	ND		5.00	1	05/31/2025 20:58	WG2527996
1,2,3-Trichloropropane	ND		2.50	1	05/31/2025 20:58	WG2527996
1,2,4-Trimethylbenzene	ND		1.00	1	05/31/2025 20:58	WG2527996
1,2,3-Trimethylbenzene	ND		1.00	1	05/31/2025 20:58	WG2527996
1,3,5-Trimethylbenzene	ND		1.00	1	05/31/2025 20:58	WG2527996
Vinyl chloride	ND		1.00	1	05/31/2025 20:58	WG2527996
Xylenes, Total	ND		3.00	1	05/31/2025 20:58	WG2527996
(S) Toluene-d8	*100*		*80.0-120*		*05/31/2025 20:58*	WG2527996
(S) 4-Bromofluorobenzene	*95.7*		*77.0-126*		*05/31/2025 20:58*	WG2527996
(S) 1,2-Dichloroethane-d4	*97.4*		*70.0-130*		*05/31/2025 20:58*	WG2527996

Semi-Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		100	1	06/01/2025 00:59	WG2527842
C28-C36 Motor Oil Range	ND		100	1	06/01/2025 00:59	WG2527842
(S) o-Terphenyl	*8.11*	J2	*52.0-156*		*06/01/2025 00:59*	WG2527842

Sample Narrative:

L1864785-01 WG2527842: Sample produced heavy emulsion during Extraction process, low surr/spike recoveries due to matrix

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acenaphthene	ND		1.00	1	06/01/2025 00:39	WG2527847
Acenaphthylene	ND		1.00	1	06/01/2025 00:39	WG2527847
Anthracene	ND		1.00	1	06/01/2025 00:39	WG2527847
Benzidine	ND	J4	10.0	1	06/01/2025 00:39	WG2527847
Benzo(a)anthracene	ND		1.00	1	06/01/2025 00:39	WG2527847
Benzo(b)fluoranthene	ND		1.00	1	06/01/2025 00:39	WG2527847
Benzo(k)fluoranthene	ND		1.00	1	06/01/2025 00:39	WG2527847
Benzo(g,h,i)perylene	ND		1.00	1	06/01/2025 00:39	WG2527847
Benzo(a)pyrene	ND		1.00	1	06/01/2025 00:39	WG2527847

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Bis(2-chlorethoxy)methane	ND		10.0	1	06/01/2025 00:39	WG2527847
Bis(2-chloroethyl)ether	ND		10.0	1	06/01/2025 00:39	WG2527847
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	06/01/2025 00:39	WG2527847
4-Bromophenyl-phenylether	ND		10.0	1	06/01/2025 00:39	WG2527847
2-Chloronaphthalene	ND		1.00	1	06/01/2025 00:39	WG2527847
4-Chlorophenyl-phenylether	ND		10.0	1	06/01/2025 00:39	WG2527847
Chrysene	ND		1.00	1	06/01/2025 00:39	WG2527847
Dibenz(a,h)anthracene	ND		1.00	1	06/01/2025 00:39	WG2527847
1,2-Dichlorobenzene	ND		10.0	1	06/01/2025 00:39	WG2527847
1,3-Dichlorobenzene	ND		10.0	1	06/01/2025 00:39	WG2527847
1,4-Dichlorobenzene	ND		10.0	1	06/01/2025 00:39	WG2527847
3,3-Dichlorobenzidine	ND		10.0	1	06/01/2025 00:39	WG2527847
2,4-Dinitrotoluene	ND		10.0	1	06/01/2025 00:39	WG2527847
2,6-Dinitrotoluene	ND		10.0	1	06/01/2025 00:39	WG2527847
Fluoranthene	ND		1.00	1	06/01/2025 00:39	WG2527847
Fluorene	ND		1.00	1	06/01/2025 00:39	WG2527847
Hexachlorobenzene	ND		1.00	1	06/01/2025 00:39	WG2527847
Hexachloro-1,3-butadiene	ND		10.0	1	06/01/2025 00:39	WG2527847
Hexachlorocyclopentadiene	ND		10.0	1	06/01/2025 00:39	WG2527847
Hexachloroethane	ND		10.0	1	06/01/2025 00:39	WG2527847
Indeno(1,2,3-cd)pyrene	ND		1.00	1	06/01/2025 00:39	WG2527847
Isophorone	ND		10.0	1	06/01/2025 00:39	WG2527847
1-Methylnaphthalene	ND		1.00	1	06/01/2025 00:39	WG2527847
2-Methylnaphthalene	ND		1.00	1	06/01/2025 00:39	WG2527847
Naphthalene	ND		1.00	1	06/01/2025 00:39	WG2527847
Nitrobenzene	ND		10.0	1	06/01/2025 00:39	WG2527847
n-Nitrosodimethylamine	ND		10.0	1	06/01/2025 00:39	WG2527847
n-Nitrosodiphenylamine	ND		10.0	1	06/01/2025 00:39	WG2527847
n-Nitrosodi-n-propylamine	ND		10.0	1	06/01/2025 00:39	WG2527847
Phenanthrene	ND		1.00	1	06/01/2025 00:39	WG2527847
Benzylbutyl phthalate	ND		3.00	1	06/01/2025 00:39	WG2527847
Bis(2-ethylhexyl)phthalate	ND		3.00	1	06/01/2025 00:39	WG2527847
Di-n-butyl phthalate	ND		3.00	1	06/01/2025 00:39	WG2527847
Diethyl phthalate	ND		3.00	1	06/01/2025 00:39	WG2527847
Dimethyl phthalate	ND		3.00	1	06/01/2025 00:39	WG2527847
Di-n-octyl phthalate	ND		3.00	1	06/01/2025 00:39	WG2527847
Pyrene	ND		1.00	1	06/01/2025 00:39	WG2527847
1,2,4-Trichlorobenzene	ND		10.0	1	06/01/2025 00:39	WG2527847
4-Chloro-3-methylphenol	ND		10.0	1	06/01/2025 00:39	WG2527847
2-Chlorophenol	ND		10.0	1	06/01/2025 00:39	WG2527847
2,4-Dichlorophenol	ND		10.0	1	06/01/2025 00:39	WG2527847
2,4-Dimethylphenol	ND		10.0	1	06/01/2025 00:39	WG2527847
4,6-Dinitro-2-methylphenol	ND		10.0	1	06/01/2025 00:39	WG2527847
2,4-Dinitrophenol	ND		10.0	1	06/01/2025 00:39	WG2527847
2-Nitrophenol	ND		10.0	1	06/01/2025 00:39	WG2527847
4-Nitrophenol	ND		10.0	1	06/01/2025 00:39	WG2527847
Pentachlorophenol	ND	J3	10.0	1	06/01/2025 00:39	WG2527847
Phenol	ND		10.0	1	06/01/2025 00:39	WG2527847
2,4,6-Trichlorophenol	ND		10.0	1	06/01/2025 00:39	WG2527847
(S) 2-Fluorophenol	*28.8*		*10.0-120*		*06/01/2025 00:39*	WG2527847
(S) Phenol-d5	*19.5*		*10.0-120*		*06/01/2025 00:39*	WG2527847
(S) Nitrobenzene-d5	*66.0*		*10.0-127*		*06/01/2025 00:39*	WG2527847
(S) 2-Fluorobiphenyl	*58.9*		*10.0-130*		*06/01/2025 00:39*	WG2527847
(S) 2,4,6-Tribromophenol	*42.6*		*10.0-155*		*06/01/2025 00:39*	WG2527847
(S) p-Terphenyl-d14	*46.1*		*10.0-128*		*06/01/2025 00:39*	WG2527847

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	05/31/2025 20:38	WG2527996
Acrolein	ND		50.0	1	05/31/2025 20:38	WG2527996
Acrylonitrile	ND		10.0	1	05/31/2025 20:38	WG2527996
Benzene	ND		1.00	1	05/31/2025 20:38	WG2527996
Bromobenzene	ND		1.00	1	05/31/2025 20:38	WG2527996
Bromodichloromethane	ND		1.00	1	05/31/2025 20:38	WG2527996
Bromoform	ND		1.00	1	05/31/2025 20:38	WG2527996
Bromomethane	ND		5.00	1	05/31/2025 20:38	WG2527996
n-Butylbenzene	ND		1.00	1	05/31/2025 20:38	WG2527996
sec-Butylbenzene	ND		1.00	1	05/31/2025 20:38	WG2527996
tert-Butylbenzene	ND		1.00	1	05/31/2025 20:38	WG2527996
Carbon tetrachloride	ND		1.00	1	05/31/2025 20:38	WG2527996
Chlorobenzene	ND		1.00	1	05/31/2025 20:38	WG2527996
Chlorodibromomethane	ND		1.00	1	05/31/2025 20:38	WG2527996
Chloroethane	ND		5.00	1	05/31/2025 20:38	WG2527996
Chloroform	ND		5.00	1	05/31/2025 20:38	WG2527996
Chloromethane	ND		2.50	1	05/31/2025 20:38	WG2527996
2-Chlorotoluene	ND		1.00	1	05/31/2025 20:38	WG2527996
4-Chlorotoluene	ND		1.00	1	05/31/2025 20:38	WG2527996
1,2-Dibromo-3-Chloropropane	ND		5.00	1	05/31/2025 20:38	WG2527996
1,2-Dibromoethane	ND		1.00	1	05/31/2025 20:38	WG2527996
Dibromomethane	ND		1.00	1	05/31/2025 20:38	WG2527996
1,2-Dichlorobenzene	ND		1.00	1	05/31/2025 20:38	WG2527996
1,3-Dichlorobenzene	ND		1.00	1	05/31/2025 20:38	WG2527996
1,4-Dichlorobenzene	ND		1.00	1	05/31/2025 20:38	WG2527996
Dichlorodifluoromethane	ND		5.00	1	05/31/2025 20:38	WG2527996
1,1-Dichloroethane	ND		1.00	1	05/31/2025 20:38	WG2527996
1,2-Dichloroethane	ND		1.00	1	05/31/2025 20:38	WG2527996
1,1-Dichloroethene	ND		1.00	1	05/31/2025 20:38	WG2527996
cis-1,2-Dichloroethene	ND		1.00	1	05/31/2025 20:38	WG2527996
trans-1,2-Dichloroethene	ND		1.00	1	05/31/2025 20:38	WG2527996
1,2-Dichloropropane	ND		1.00	1	05/31/2025 20:38	WG2527996
1,1-Dichloropropene	ND		1.00	1	05/31/2025 20:38	WG2527996
1,3-Dichloropropane	ND		1.00	1	05/31/2025 20:38	WG2527996
cis-1,3-Dichloropropene	ND		1.00	1	05/31/2025 20:38	WG2527996
trans-1,3-Dichloropropene	ND		1.00	1	05/31/2025 20:38	WG2527996
2,2-Dichloropropane	ND		1.00	1	05/31/2025 20:38	WG2527996
Di-isopropyl ether	ND		1.00	1	05/31/2025 20:38	WG2527996
Ethylbenzene	ND		1.00	1	05/31/2025 20:38	WG2527996
Hexachloro-1,3-butadiene	ND		1.00	1	05/31/2025 20:38	WG2527996
Isopropylbenzene	ND		1.00	1	05/31/2025 20:38	WG2527996
p-Isopropyltoluene	ND		1.00	1	05/31/2025 20:38	WG2527996
2-Butanone (MEK)	ND		10.0	1	05/31/2025 20:38	WG2527996
Methylene Chloride	ND	J4	5.00	1	05/31/2025 20:38	WG2527996
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	05/31/2025 20:38	WG2527996
Methyl tert-butyl ether	ND		1.00	1	05/31/2025 20:38	WG2527996
Naphthalene	ND	C3	5.00	1	05/31/2025 20:38	WG2527996
n-Propylbenzene	ND		1.00	1	05/31/2025 20:38	WG2527996
Styrene	ND		1.00	1	05/31/2025 20:38	WG2527996
1,1,1,2-Tetrachloroethane	ND		1.00	1	05/31/2025 20:38	WG2527996
1,1,2,2-Tetrachloroethane	ND		1.00	1	05/31/2025 20:38	WG2527996
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	05/31/2025 20:38	WG2527996
Tetrachloroethene	ND		1.00	1	05/31/2025 20:38	WG2527996
Toluene	ND		1.00	1	05/31/2025 20:38	WG2527996
1,2,3-Trichlorobenzene	ND		1.00	1	05/31/2025 20:38	WG2527996
1,2,4-Trichlorobenzene	ND		1.00	1	05/31/2025 20:38	WG2527996

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		1.00	1	05/31/2025 20:38	WG2527996
1,1,2-Trichloroethane	ND	J4	1.00	1	05/31/2025 20:38	WG2527996
Trichloroethene	ND		1.00	1	05/31/2025 20:38	WG2527996
Trichlorofluoromethane	ND		5.00	1	05/31/2025 20:38	WG2527996
1,2,3-Trichloropropane	ND		2.50	1	05/31/2025 20:38	WG2527996
1,2,4-Trimethylbenzene	ND		1.00	1	05/31/2025 20:38	WG2527996
1,2,3-Trimethylbenzene	ND		1.00	1	05/31/2025 20:38	WG2527996
1,3,5-Trimethylbenzene	ND		1.00	1	05/31/2025 20:38	WG2527996
Vinyl chloride	ND		1.00	1	05/31/2025 20:38	WG2527996
Xylenes, Total	ND		3.00	1	05/31/2025 20:38	WG2527996
(S) Toluene-d8	*102*		*80.0-120*		*05/31/2025 20:38*	WG2527996
(S) 4-Bromofluorobenzene	*97.0*		*77.0-126*		*05/31/2025 20:38*	WG2527996
(S) 1,2-Dichloroethane-d4	*99.6*		*70.0-130*		*05/31/2025 20:38*	WG2527996

Method Blank (MB)

(MB) R4223751-1 05/31/25 17:27

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Dissolved Solids	U		10000	10000

L1864779-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1864779-01 05/31/25 17:27 • (DUP) R4223751-3 05/31/25 17:27

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	230000	248000	1	7.53		10

L1864785-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1864785-01 05/31/25 17:27 • (DUP) R4223751-4 05/31/25 17:27

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	1580000	1660000	1	4.48		10

Laboratory Control Sample (LCS)

(LCS) R4223751-2 05/31/25 17:27

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800000	8360000	95.0	90.0-110	

Method Blank (MB)

(MB) R4223650-1 05/31/25 14:50

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Suspended Solids	U		283	2500

L1864779-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1864779-01 05/31/25 14:50 • (DUP) R4223650-3 05/31/25 14:50

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Suspended Solids	49000	53900	1	9.41		10

L1864779-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1864779-05 05/31/25 14:50 • (DUP) R4223650-4 05/31/25 14:50

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Suspended Solids	64800	64800	1	0.000		10

Laboratory Control Sample (LCS)

(LCS) R4223650-2 05/31/25 14:50

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Suspended Solids	773000	832000	108	85.0-115	

Method Blank (MB)

(MB) R4224380-1 06/02/25 21:05

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hardness (colorimetric) as CaCO3	U		10600	30000

Laboratory Control Sample (LCS)

(LCS) R4224380-2 06/02/25 21:06

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hardness (colorimetric) as CaCO3	200000	174000	87.0	85.0-115	

L1864779-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1864779-13 06/02/25 21:15 • (MS) R4224380-3 06/02/25 21:16 • (MSD) R4224380-4 06/02/25 21:20

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Hardness (colorimetric) as CaCO3	200000	ND	196000	198000	98.0	99.0	1	80.0-120			1.02	20

Method Blank (MB)

(MB) R4223551-2 05/31/25 15:54

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Alkalinity	U		4750	20000
Alkalinity,Bicarbonate	U		4750	20000
Alkalinity,Carbonate	U		4750	20000

Sample Narrative:

BLANK: Endpoint pH 4.5

L1864779-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1864779-01 05/31/25 16:18 • (DUP) R4223551-3 05/31/25 16:25

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Alkalinity	89500	88500	1	1.17		20
Alkalinity,Bicarbonate	89500	88500	1	1.17		20
Alkalinity,Carbonate	ND	ND	1	0.000		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5 Headspace

L1864785-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1864785-01 05/31/25 18:50 • (DUP) R4223551-4 05/31/25 18:57

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Alkalinity	131000	132000	1	0.629		20
Alkalinity,Bicarbonate	131000	132000	1	0.629		20
Alkalinity,Carbonate	ND	ND	1	0.000		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5 Headspace

Laboratory Control Sample (LCS)

(LCS) R4223551-1 05/31/25 15:47

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Alkalinity	100000	109000	109	90.0-110	

Sample Narrative:

LCS: Endpoint pH 4.5

Method Blank (MB)

(MB) R4223719-1 05/31/25 15:24

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Bromide	U		680	1000
Chloride	U		547	1000
Fluoride	U		76.1	150
Nitrate as (N)	U		88.4	100
Nitrite as (N)	U		79.4	100
Sulfate	U		637	5000

L1864779-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1864779-01 05/31/25 15:49 • (DUP) R4223719-3 05/31/25 16:02

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Bromide	ND	ND	1	0.000		15
Chloride	11800	11800	1	0.568		15
Fluoride	274	262	1	4.44		15
Nitrate as (N)	797	772	1	3.21		15
Nitrite as (N)	ND	ND	1	0.000		15
Sulfate	77200	77600	1	0.579		15

L1864783-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1864783-09 05/31/25 20:09 • (DUP) R4223719-6 05/31/25 20:22

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Bromide	ND	ND	1	0.000		15
Chloride	51300	52200	1	1.69		15
Fluoride	339	310	1	8.87		15
Nitrate as (N)	1240	1250	1	0.409		15
Nitrite as (N)	ND	ND	1	200	P1	15

Laboratory Control Sample (LCS)

(LCS) R4223719-2 05/31/25 15:37

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromide	40000	38300	95.8	90.0-110	
Chloride	40000	39100	97.9	90.0-110	

Laboratory Control Sample (LCS)

(LCS) R4223719-2 05/31/25 15:37

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluoride	8000	7850	98.1	90.0-110	
Nitrate as (N)	8000	7940	99.3	90.0-110	
Nitrite as (N)	8000	7880	98.5	90.0-110	
Sulfate	40000	37000	92.6	90.0-110	

L1864779-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1864779-01 05/31/25 15:49 • (MS) R4223719-4 05/31/25 16:15 • (MSD) R4223719-5 05/31/25 16:28

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Bromide	40000	ND	37400	37000	93.6	92.5	1	90.0-110			1.21	15
Chloride	40000	11800	48700	48200	92.2	90.9	1	90.0-110			1.07	15
Fluoride	8000	274	8230	8140	99.4	98.4	1	90.0-110			1.06	15
Nitrate as (N)	8000	797	8710	8580	98.9	97.3	1	90.0-110			1.51	15
Nitrite as (N)	8000	ND	7970	7880	99.6	98.5	1	90.0-110			1.14	15
Sulfate	40000	77200	99400	97600	55.6	51.1	1	90.0-110	J6	J6	1.85	15

L1864783-09 Original Sample (OS) • Matrix Spike (MS)

(OS) L1864783-09 05/31/25 20:09 • (MS) R4223719-7 05/31/25 20:35

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Bromide	40000	ND	39300	98.2	1	90.0-110	
Chloride	40000	51300	82800	78.5	1	90.0-110	J6
Fluoride	8000	339	8960	108	1	90.0-110	
Nitrate as (N)	8000	1240	9900	108	1	90.0-110	
Nitrite as (N)	8000	ND	8910	110	1	90.0-110	
Sulfate	40000	186000	183000	0.000	1	90.0-110	E V

Method Blank (MB)

(MB) R4223848-1 06/02/25 00:01

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ammonia Nitrogen	U		53.9	100

L1863157-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1863157-02 06/02/25 00:04 • (DUP) R4223848-3 06/02/25 00:05

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	ND	ND	1	0.000		10

L1863476-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1863476-03 06/02/25 00:13 • (DUP) R4223848-6 06/02/25 00:14

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	893	894	1	0.112		10

Laboratory Control Sample (LCS)

(LCS) R4223848-2 06/02/25 00:02

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	7500	7550	101	90.0-110	

L1863157-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1863157-02 06/02/25 00:04 • (MS) R4223848-4 06/02/25 00:07 • (MSD) R4223848-5 06/02/25 00:08

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ammonia Nitrogen	5000	ND	5260	5220	105	104	1	90.0-110			0.630	10

L1863476-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1863476-03 06/02/25 00:13 • (MS) R4223848-7 06/02/25 00:20

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Ammonia Nitrogen	5000	893	6240	107	1	90.0-110	

Method Blank (MB)

(MB) R4227235-1 06/07/25 14:51

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Kjeldahl Nitrogen, TKN	134	J	131	250

L1864783-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1864783-13 06/07/25 15:23 • (DUP) R4227235-6 06/07/25 15:25

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Kjeldahl Nitrogen, TKN	1460	1540	1	5.06		20

L1864783-23 Original Sample (OS) • Duplicate (DUP)

(OS) L1864783-23 06/07/25 15:29 • (DUP) R4227235-7 06/07/25 15:31

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Kjeldahl Nitrogen, TKN	1320	1500	1	12.6		20

Laboratory Control Sample (LCS)

(LCS) R4227235-2 06/07/25 14:53

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Kjeldahl Nitrogen, TKN	15600	15600	99.7	90.0-110	

L1864996-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1864996-03 06/07/25 15:35 • (MS) R4227235-8 06/07/25 15:37 • (MSD) R4227235-9 06/07/25 15:39

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Kjeldahl Nitrogen, TKN	5000	2410	7900	7980	110	111	1	90.0-110		J5	0.966	20

L1864996-11 Original Sample (OS) • Matrix Spike (MS)

(OS) L1864996-11 06/07/25 15:44 • (MS) R4227235-10 06/07/25 15:46

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Kjeldahl Nitrogen, TKN	5000	2070	7460	108	1	90.0-110	

Method Blank (MB)

(MB) R4225693-1 06/04/25 21:39

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Phosphorus,Total	U		64.2	100

L1864783-17 Original Sample (OS) • Duplicate (DUP)

(OS) L1864783-17 06/04/25 21:45 • (DUP) R4225693-3 06/04/25 21:46

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Phosphorus,Total	ND	ND	1	6.07		20

L1864783-23 Original Sample (OS) • Duplicate (DUP)

(OS) L1864783-23 06/04/25 21:55 • (DUP) R4225693-6 06/04/25 21:57

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Phosphorus,Total	386	378	1	2.09		20

Laboratory Control Sample (LCS)

(LCS) R4225693-2 06/04/25 21:40

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Phosphorus,Total	1700	1630	96.2	86.0-112	

L1864783-17 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1864783-17 06/04/25 21:45 • (MS) R4225693-4 06/04/25 21:48 • (MSD) R4225693-5 06/04/25 21:49

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Phosphorus,Total	2500	ND	1260	1290	47.2	48.4	1	86.0-112	J6	J6	2.35	20

Method Blank (MB)

(MB) R4223606-2 05/31/25 14:31

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	U		495	1000

L1864779-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1864779-03 05/31/25 16:57 • (DUP) R4223606-5 05/31/25 17:18

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	6110	5860	1	4.10		20

L1864783-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1864783-09 05/31/25 22:37 • (DUP) R4223606-8 05/31/25 23:03

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	40200	40500	1	0.595		20

Laboratory Control Sample (LCS)

(LCS) R4223606-1 05/31/25 14:12

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	25000	26300	105	80.0-120	

L1864779-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1864779-01 05/31/25 16:34 • (MS) R4223606-3 05/31/25 15:45 • (MSD) R4223606-4 05/31/25 16:08

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	25000	20100	34000	33800	55.4	54.6	1	75.0-125	J6	J6	0.591	20

L1864783-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1864783-07 05/31/25 21:25 • (MS) R4223606-6 05/31/25 21:49 • (MSD) R4223606-7 05/31/25 22:12

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	25000	7430	34600	34100	109	107	1	75.0-125			1.31	20

Method Blank (MB)

(MB) R4223562-1 05/31/25 20:18

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
MBAS	U		19.0	100

L1864783-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1864783-15 05/31/25 20:29 • (DUP) R4223562-5 05/31/25 20:29

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
MBAS	820	803	2	2.09		20

L1864783-21 Original Sample (OS) • Duplicate (DUP)

(OS) L1864783-21 05/31/25 20:30 • (DUP) R4223562-6 05/31/25 20:30

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
MBAS	1310	1280	5	2.01		20

Laboratory Control Sample (LCS)

(LCS) R4223562-2 05/31/25 20:19

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
MBAS	1000	984	98.4	85.0-115	

L1864779-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1864779-13 05/31/25 20:23 • (MS) R4223562-3 05/31/25 20:24 • (MSD) R4223562-4 05/31/25 20:24

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
MBAS	1000	ND	717	703	71.7	70.3	1	85.0-115	J6	J6	1.97	20

Method Blank (MB)

(MB) R4224569-1 06/03/25 01:50

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hexavalent Chromium	U		0.100	0.500

L1864779-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1864779-03 06/03/25 02:42 • (DUP) R4224569-3 06/03/25 02:55

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Hexavalent Chromium	ND	ND	1	0.000		20

L1864779-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1864779-09 06/03/25 03:34 • (DUP) R4224569-4 06/03/25 03:47

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Hexavalent Chromium	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4224569-2 06/03/25 02:03

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexavalent Chromium	2.00	2.03	102	90.0-110	

L1864783-07 Original Sample (OS) • Matrix Spike (MS)

(OS) L1864783-07 06/03/25 05:30 • (MS) R4224569-5 06/03/25 05:43

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Hexavalent Chromium	50.0	ND	44.6	89.2	1	90.0-110	J6

L1864785-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1864785-01 06/03/25 08:35 • (MS) R4224569-6 06/03/25 08:48 • (MSD) R4224569-7 06/03/25 09:01

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Hexavalent Chromium	50.0	ND	44.1	44.3	88.2	88.6	1	90.0-110	J6	J6	0.386	20

L1864779-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1864779-03 05/31/25 16:45 • (DUP) R4223534-2 05/31/25 16:45

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.11	8.08	1	0.371		1

Sample Narrative:

OS: 8.11 at 20.9C

DUP: 8.08 at 20.9C

L1864783-23 Original Sample (OS) • Duplicate (DUP)

(OS) L1864783-23 05/31/25 16:45 • (DUP) R4223534-3 05/31/25 16:45

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.84	7.85	1	0.127		1

Sample Narrative:

OS: 7.84 at 21.9C

DUP: 7.85 at 22C

Laboratory Control Sample (LCS)

(LCS) R4223534-1 05/31/25 16:45

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	su	su	%	%	
pH	10.0	10.0	100	99.0-101	

Sample Narrative:

LCS: 10.01 at 22.7C

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) R4223560-1 05/31/25 18:40

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Mercury	U		0.0700	0.200

Laboratory Control Sample (LCS)

(LCS) R4223560-2 05/31/25 18:43

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	3.00	3.04	101	80.0-120	

L1864785-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1864785-01 05/31/25 18:45 • (MS) R4223560-4 05/31/25 18:50 • (MSD) R4223560-5 05/31/25 18:53

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	3.00	ND	3.00	3.05	100	102	1	75.0-125			1.62	20

Method Blank (MB)

(MB) R4223821-1 06/01/25 21:54

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Aluminum,Dissolved	27.0	J	16.0	100
Arsenic,Dissolved	U		0.120	2.00
Cadmium,Dissolved	U		0.120	1.00
Chromium,Dissolved	U		0.900	2.00
Copper,Dissolved	U		0.700	5.00
Lead,Dissolved	U		0.500	2.00
Manganese,Dissolved	U		0.700	5.00
Nickel,Dissolved	U		0.500	2.00
Selenium,Dissolved	U		0.250	2.00
Silver,Dissolved	U		0.110	2.00
Zinc,Dissolved	U		4.00	25.0

Laboratory Control Sample (LCS)

(LCS) R4223821-2 06/01/25 21:57

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aluminum,Dissolved	1000	1060	106	80.0-120	
Arsenic,Dissolved	50.0	49.6	99.1	80.0-120	
Cadmium,Dissolved	50.0	52.4	105	80.0-120	
Chromium,Dissolved	50.0	51.1	102	80.0-120	
Copper,Dissolved	50.0	51.1	102	80.0-120	
Lead,Dissolved	50.0	50.9	102	80.0-120	
Manganese,Dissolved	50.0	50.8	102	80.0-120	
Nickel,Dissolved	50.0	51.6	103	80.0-120	
Selenium,Dissolved	50.0	50.4	101	80.0-120	
Silver,Dissolved	50.0	50.6	101	80.0-120	
Zinc,Dissolved	50.0	51.1	102	80.0-120	

L1864779-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1864779-01 06/01/25 22:01 • (MS) R4223821-4 06/01/25 22:07 • (MSD) R4223821-5 06/01/25 22:11

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Aluminum,Dissolved	1000	ND	1030	1010	103	101	1	75.0-125			2.21	20
Arsenic,Dissolved	50.0	2.46	52.4	51.9	99.8	98.8	1	75.0-125			0.992	20
Cadmium,Dissolved	50.0	ND	51.2	50.7	102	101	1	75.0-125			0.994	20
Chromium,Dissolved	50.0	ND	52.0	51.4	104	103	1	75.0-125			1.22	20
Copper,Dissolved	50.0	ND	52.7	52.7	99.9	99.8	1	75.0-125			0.107	20

L1864779-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1864779-01 06/01/25 22:01 • (MS) R4223821-4 06/01/25 22:07 • (MSD) R4223821-5 06/01/25 22:11

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Lead,Dissolved	50.0	ND	49.6	49.6	99.1	99.2	1	75.0-125			0.0681	20
Manganese,Dissolved	50.0	6.09	56.8	56.9	101	102	1	75.0-125			0.225	20
Nickel,Dissolved	50.0	ND	53.4	52.3	104	102	1	75.0-125			1.99	20
Selenium,Dissolved	50.0	ND	52.9	51.8	105	103	1	75.0-125			2.18	20
Silver,Dissolved	50.0	ND	51.0	50.7	102	101	1	75.0-125			0.662	20
Zinc,Dissolved	50.0	ND	51.9	52.1	104	104	1	75.0-125			0.408	20

Method Blank (MB)

(MB) R4223817-1 06/01/25 20:47

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Aluminum	U		16.0	100
Antimony	U		0.310	4.00
Arsenic	U		0.120	2.00
Barium	U		0.500	2.00
Beryllium	U		0.200	2.00
Boron	U		9.03	30.0
Cadmium	U		0.120	1.00
Calcium	U		92.5	1000
Chromium	U		0.900	2.00
Copper	U		0.700	5.00
Cobalt	U		0.100	2.00
Iron	U		22.6	100
Lead	U		0.500	2.00
Magnesium	U		82.7	1000
Manganese	U		0.700	5.00
Nickel	U		0.500	2.00
Potassium	U		96.5	2000
Selenium	U		0.250	2.00
Silver	U		0.110	2.00
Sodium	U		142	2000
Thallium	U		0.130	2.00
Vanadium	U		0.520	5.00
Zinc	U		4.00	25.0

Laboratory Control Sample (LCS)

(LCS) R4223817-2 06/01/25 20:50

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aluminum	1000	1010	101	80.0-120	
Antimony	50.0	50.0	100	80.0-120	
Arsenic	50.0	49.6	99.2	80.0-120	
Barium	50.0	49.5	99.0	80.0-120	
Beryllium	50.0	50.1	100	80.0-120	
Boron	50.0	51.5	103	80.0-120	
Cadmium	50.0	52.9	106	80.0-120	
Calcium	5000	5130	103	80.0-120	
Chromium	50.0	51.4	103	80.0-120	
Copper	50.0	51.6	103	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4223817-2 06/01/25 20:50

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Cobalt	50.0	52.8	106	80.0-120	
Iron	1000	1030	103	80.0-120	
Lead	50.0	50.1	100	80.0-120	
Magnesium	5000	5210	104	80.0-120	
Manganese	50.0	53.1	106	80.0-120	
Nickel	50.0	53.0	106	80.0-120	
Potassium	5000	5140	103	80.0-120	
Selenium	50.0	48.9	97.7	80.0-120	
Silver	50.0	50.6	101	80.0-120	
Sodium	5000	5130	103	80.0-120	
Thallium	50.0	50.6	101	80.0-120	
Vanadium	50.0	51.8	104	80.0-120	
Zinc	50.0	49.4	98.8	80.0-120	

L1864779-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1864779-01 06/01/25 20:53 • (MS) R4223817-4 06/01/25 21:00 • (MSD) R4223817-5 06/01/25 21:03

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Aluminum	1000	1150	2290	3300	114	215	1	75.0-125		J3 J5	36.0	20
Antimony	50.0	ND	50.8	49.9	102	99.7	1	75.0-125			1.89	20
Arsenic	50.0	2.76	52.1	51.7	98.6	97.9	1	75.0-125			0.758	20
Barium	50.0	58.0	107	112	98.7	109	1	75.0-125			4.54	20
Beryllium	50.0	ND	49.8	47.6	99.6	95.2	1	75.0-125			4.52	20
Boron	50.0	68.3	117	119	97.9	100	1	75.0-125			1.09	20
Cadmium	50.0	ND	53.1	51.8	106	104	1	75.0-125			2.37	20
Calcium	5000	36100	40600	40300	90.6	84.7	1	75.0-125			0.733	20
Chromium	50.0	ND	52.4	52.2	102	102	1	75.0-125			0.316	20
Copper	50.0	ND	53.8	53.6	99.6	99.2	1	75.0-125			0.391	20
Cobalt	50.0	ND	52.6	51.8	103	102	1	75.0-125			1.38	20
Iron	1000	641	1750	2460	111	182	1	75.0-125		J3 J5	33.5	20
Lead	50.0	ND	51.6	50.8	100	98.5	1	75.0-125			1.60	20
Magnesium	5000	12400	17400	17400	99.2	100	1	75.0-125			0.230	20
Manganese	50.0	39.8	92.2	94.9	105	110	1	75.0-125			2.85	20
Nickel	50.0	2.06	53.0	52.7	102	101	1	75.0-125			0.462	20
Potassium	5000	6060	11100	11200	101	103	1	75.0-125			0.709	20
Selenium	50.0	ND	49.8	50.4	98.3	99.6	1	75.0-125			1.34	20
Silver	50.0	ND	51.0	49.7	102	99.4	1	75.0-125			2.52	20
Sodium	5000	16000	20800	20500	96.2	91.0	1	75.0-125			1.25	20

L1864779-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1864779-01 06/01/25 20:53 • (MS) R4223817-4 06/01/25 21:00 • (MSD) R4223817-5 06/01/25 21:03

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Thallium	50.0	ND	50.1	49.8	100	99.6	1	75.0-125			0.708	20
Vanadium	50.0	7.52	58.2	59.5	101	104	1	75.0-125			2.19	20
Zinc	50.0	ND	56.5	58.1	100	103	1	75.0-125			2.75	20

Method Blank (MB)

(MB) R4223616-2 05/31/25 12:24

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TPH (GC/FID) Low Fraction	U		59.4	100
(S) a,a,a-Trifluorotoluene(FID)	*102*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R4223616-1 05/31/25 11:32

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5000	4850	97.0	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*107*	*78.0-120*	

Method Blank (MB)

(MB) R4223638-3 05/31/25 19:09

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Acrolein	U		2.54	50.0
Acrylonitrile	U		0.671	10.0
Benzene	U		0.0941	1.00
Bromobenzene	U		0.118	1.00
Bromodichloromethane	U		0.136	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
n-Butylbenzene	U		0.157	1.00
sec-Butylbenzene	U		0.125	1.00
tert-Butylbenzene	U		0.127	1.00
Carbon tetrachloride	U		0.128	1.00
Chlorobenzene	U		0.116	1.00
Chlorodibromomethane	U		0.140	1.00
Chloroethane	U		0.192	5.00
Chloroform	U		0.111	5.00
Chloromethane	U		0.960	2.50
2-Chlorotoluene	U		0.106	1.00
4-Chlorotoluene	U		0.114	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dibromoethane	U		0.126	1.00
Dibromomethane	U		0.122	1.00
1,2-Dichlorobenzene	U		0.107	1.00
1,3-Dichlorobenzene	U		0.110	1.00
1,4-Dichlorobenzene	U		0.120	1.00
Dichlorodifluoromethane	U		0.374	5.00
1,1-Dichloroethane	U		0.100	1.00
1,2-Dichloroethane	U		0.0819	1.00
1,1-Dichloroethene	U		0.188	1.00
cis-1,2-Dichloroethene	U		0.126	1.00
trans-1,2-Dichloroethene	U		0.149	1.00
1,2-Dichloropropane	U		0.149	1.00
1,1-Dichloropropene	U		0.142	1.00
1,3-Dichloropropane	U		0.110	1.00
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
2,2-Dichloropropane	U		0.161	1.00
Di-isopropyl ether	U		0.105	1.00
Ethylbenzene	U		0.137	1.00
Hexachloro-1,3-butadiene	U		0.337	1.00

Method Blank (MB)

(MB) R4223638-3 05/31/25 19:09

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Isopropylbenzene	U		0.105	1.00
p-Isopropyltoluene	U		0.120	1.00
2-Butanone (MEK)	U		1.19	10.0
Methylene Chloride	U		0.430	5.00
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.0993	1.00
Styrene	U		0.118	1.00
1,1,1,2-Tetrachloroethane	U		0.147	1.00
1,1,2,2-Tetrachloroethane	U		0.133	1.00
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
1,2,3-Trichloropropane	U		0.237	2.50
1,2,4-Trimethylbenzene	U		0.322	1.00
1,2,3-Trimethylbenzene	U		0.104	1.00
1,3,5-Trimethylbenzene	U		0.104	1.00
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*101*			*80.0-120*
(S) 4-Bromofluorobenzene	*98.4*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*96.3*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4223638-1 05/31/25 18:09 • (LCSD) R4223638-2 05/31/25 18:29

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	28.1	27.6	112	110	19.0-160			1.80	27
Acrolein	25.0	30.1	30.4	120	122	10.0-160			0.992	26
Acrylonitrile	25.0	30.8	30.6	123	122	55.0-149			0.651	20
Benzene	5.00	5.79	5.63	116	113	70.0-123			2.80	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4223638-1 05/31/25 18:09 • (LCSD) R4223638-2 05/31/25 18:29

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromobenzene	5.00	5.68	5.45	114	109	73.0-121			4.13	20
Bromodichloromethane	5.00	5.59	5.05	112	101	75.0-120			10.2	20
Bromoform	5.00	5.43	5.18	109	104	68.0-132			4.71	20
Bromomethane	5.00	6.88	6.35	138	127	10.0-160			8.01	25
n-Butylbenzene	5.00	4.91	4.80	98.2	96.0	73.0-125			2.27	20
sec-Butylbenzene	5.00	5.64	5.51	113	110	75.0-125			2.33	20
tert-Butylbenzene	5.00	5.52	5.47	110	109	76.0-124			0.910	20
Carbon tetrachloride	5.00	5.02	5.03	100	101	68.0-126			0.199	20
Chlorobenzene	5.00	5.60	5.49	112	110	80.0-121			1.98	20
Chlorodibromomethane	5.00	5.68	5.31	114	106	77.0-125			6.73	20
Chloroethane	5.00	6.93	6.55	139	131	47.0-150			5.64	20
Chloroform	5.00	5.75	5.50	115	110	73.0-120			4.44	20
Chloromethane	5.00	4.26	4.16	85.2	83.2	41.0-142			2.38	20
2-Chlorotoluene	5.00	5.80	5.82	116	116	76.0-123			0.344	20
4-Chlorotoluene	5.00	5.82	5.50	116	110	75.0-122			5.65	20
1,2-Dibromo-3-Chloropropane	5.00	5.12	4.95	102	99.0	58.0-134			3.38	20
1,2-Dibromoethane	5.00	5.66	5.78	113	116	80.0-122			2.10	20
Dibromomethane	5.00	5.73	5.59	115	112	80.0-120			2.47	20
1,2-Dichlorobenzene	5.00	5.65	5.80	113	116	79.0-121			2.62	20
1,3-Dichlorobenzene	5.00	5.98	5.77	120	115	79.0-120			3.57	20
1,4-Dichlorobenzene	5.00	5.61	5.35	112	107	79.0-120			4.74	20
Dichlorodifluoromethane	5.00	5.51	5.38	110	108	51.0-149			2.39	20
1,1-Dichloroethane	5.00	6.09	5.95	122	119	70.0-126			2.33	20
1,2-Dichloroethane	5.00	5.68	5.52	114	110	70.0-128			2.86	20
1,1-Dichloroethene	5.00	5.40	5.44	108	109	71.0-124			0.738	20
cis-1,2-Dichloroethene	5.00	5.60	5.46	112	109	73.0-120			2.53	20
trans-1,2-Dichloroethene	5.00	5.99	5.62	120	112	73.0-120			6.37	20
1,2-Dichloropropane	5.00	5.55	5.66	111	113	77.0-125			1.96	20
1,1-Dichloropropene	5.00	5.17	5.21	103	104	74.0-126			0.771	20
1,3-Dichloropropane	5.00	5.97	5.51	119	110	80.0-120			8.01	20
cis-1,3-Dichloropropene	5.00	5.52	5.32	110	106	80.0-123			3.69	20
trans-1,3-Dichloropropene	5.00	5.56	5.54	111	111	78.0-124			0.360	20
2,2-Dichloropropane	5.00	5.66	5.32	113	106	58.0-130			6.19	20
Di-isopropyl ether	5.00	5.66	5.45	113	109	58.0-138			3.78	20
Ethylbenzene	5.00	5.76	5.22	115	104	79.0-123			9.84	20
Hexachloro-1,3-butadiene	5.00	5.72	5.15	114	103	54.0-138			10.5	20
Isopropylbenzene	5.00	5.34	5.26	107	105	76.0-127			1.51	20
p-Isopropyltoluene	5.00	5.59	5.39	112	108	76.0-125			3.64	20
2-Butanone (MEK)	25.0	25.8	25.2	103	101	44.0-160			2.35	20
Methylene Chloride	5.00	6.20	5.90	124	118	67.0-120	J4		4.96	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4223638-1 05/31/25 18:09 • (LCSD) R4223638-2 05/31/25 18:29

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	25.0	31.1	30.0	124	120	68.0-142			3.60	20
Methyl tert-butyl ether	5.00	5.84	5.51	117	110	68.0-125			5.81	20
Naphthalene	5.00	3.79	3.97	75.8	79.4	54.0-135			4.64	20
n-Propylbenzene	5.00	5.58	5.41	112	108	77.0-124			3.09	20
Styrene	5.00	6.18	5.95	124	119	73.0-130			3.79	20
1,1,1,2-Tetrachloroethane	5.00	6.02	5.66	120	113	75.0-125			6.16	20
1,1,2,2-Tetrachloroethane	5.00	6.07	6.24	121	125	65.0-130			2.76	20
1,1,2-Trichlorotrifluoroethane	5.00	5.33	5.47	107	109	69.0-132			2.59	20
Tetrachloroethene	5.00	5.69	5.21	114	104	72.0-132			8.81	20
Toluene	5.00	5.66	5.42	113	108	79.0-120			4.33	20
1,2,3-Trichlorobenzene	5.00	4.46	4.87	89.2	97.4	50.0-138			8.79	20
1,2,4-Trichlorobenzene	5.00	4.57	4.36	91.4	87.2	57.0-137			4.70	20
1,1,1-Trichloroethane	5.00	5.53	5.12	111	102	73.0-124			7.70	20
1,1,2-Trichloroethane	5.00	6.11	5.65	122	113	80.0-120	J4		7.82	20
Trichloroethene	5.00	5.70	5.24	114	105	78.0-124			8.41	20
Trichlorofluoromethane	5.00	5.93	5.69	119	114	59.0-147			4.13	20
1,2,3-Trichloropropane	5.00	5.99	5.49	120	110	73.0-130			8.71	20
1,2,4-Trimethylbenzene	5.00	5.60	5.60	112	112	76.0-121			0.000	20
1,2,3-Trimethylbenzene	5.00	5.64	5.53	113	111	77.0-120			1.97	20
1,3,5-Trimethylbenzene	5.00	5.55	5.45	111	109	76.0-122			1.82	20
Vinyl chloride	5.00	5.80	5.64	116	113	67.0-131			2.80	20
Xylenes, Total	15.0	16.9	16.1	113	107	79.0-123			4.85	20
(S) Toluene-d8				*99.1*	*98.8*	*80.0-120*				
(S) 4-Bromofluorobenzene				*98.4*	*97.2*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*96.9*	*95.0*	*70.0-130*				

L1864335-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1864335-01 05/31/25 21:18 • (MS) R4223638-4 06/01/25 02:37 • (MSD) R4223638-5 06/01/25 02:57

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	ND	ND	ND	86.4	71.6	1	10.0-160			18.7	35
Acrolein	25.0	ND	ND	ND	147	126	1	10.0-160			15.5	39
Acrylonitrile	25.0	ND	28.7	24.6	115	98.4	1	21.0-160			15.4	32
Benzene	5.00	ND	5.44	4.23	109	84.6	1	17.0-158			25.0	27
Bromobenzene	5.00	ND	5.04	4.08	101	81.6	1	30.0-149			21.1	28
Bromodichloromethane	5.00	ND	5.40	4.10	108	82.0	1	31.0-150		J3	27.4	27
Bromoform	5.00	ND	5.01	3.98	100	79.6	1	29.0-150			22.9	29
Bromomethane	5.00	ND	7.64	5.33	153	107	1	10.0-160			35.6	38

L1864335-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1864335-01 05/31/25 21:18 • (MS) R4223638-4 06/01/25 02:37 • (MSD) R4223638-5 06/01/25 02:57

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
n-Butylbenzene	5.00	ND	4.11	3.14	82.2	62.8	1	31.0-150			26.8	30
sec-Butylbenzene	5.00	ND	5.14	3.73	103	74.6	1	33.0-155		J3	31.8	29
tert-Butylbenzene	5.00	ND	5.27	4.02	105	80.4	1	34.0-153			26.9	28
Carbon tetrachloride	5.00	ND	5.63	4.39	113	87.8	1	23.0-159			24.8	28
Chlorobenzene	5.00	ND	5.38	3.93	108	78.6	1	33.0-152		J3	31.1	27
Chlorodibromomethane	5.00	ND	5.61	4.49	112	89.8	1	37.0-149			22.2	27
Chloroethane	5.00	ND	6.92	5.05	138	101	1	10.0-160		J3	31.2	30
Chloroform	5.00	ND	5.73	ND	115	87.0	1	29.0-154			27.4	28
Chloromethane	5.00	ND	4.36	3.17	87.2	63.4	1	10.0-160		J3	31.6	29
2-Chlorotoluene	5.00	ND	5.42	3.93	108	78.6	1	32.0-153		J3	31.9	28
4-Chlorotoluene	5.00	ND	4.88	3.69	97.6	73.8	1	32.0-150			27.8	28
1,2-Dibromo-3-Chloropropane	5.00	ND	ND	ND	96.0	81.6	1	22.0-151			16.2	34
1,2-Dibromoethane	5.00	ND	5.24	4.35	105	87.0	1	34.0-147			18.6	27
Dibromomethane	5.00	ND	5.52	4.47	110	89.4	1	30.0-151			21.0	27
1,2-Dichlorobenzene	5.00	ND	5.21	4.15	104	83.0	1	34.0-149			22.6	28
1,3-Dichlorobenzene	5.00	ND	5.33	4.10	107	82.0	1	36.0-146			26.1	27
1,4-Dichlorobenzene	5.00	ND	4.84	3.75	96.8	75.0	1	35.0-142			25.4	27
Dichlorodifluoromethane	5.00	ND	ND	ND	89.0	70.8	1	10.0-160			22.8	29
1,1-Dichloroethane	5.00	ND	6.11	4.53	122	90.6	1	25.0-158		J3	29.7	27
1,2-Dichloroethane	5.00	ND	5.63	4.36	113	87.2	1	29.0-151			25.4	27
1,1-Dichloroethene	5.00	ND	5.66	4.21	113	84.2	1	11.0-160		J3	29.4	29
cis-1,2-Dichloroethene	5.00	ND	5.51	4.01	110	80.2	1	10.0-160		J3	31.5	27
trans-1,2-Dichloroethene	5.00	ND	5.59	4.08	112	81.6	1	17.0-153		J3	31.2	27
1,2-Dichloropropane	5.00	ND	5.37	4.15	107	83.0	1	30.0-156			25.6	27
1,1-Dichloropropene	5.00	ND	5.12	3.78	102	75.6	1	25.0-158		J3	30.1	27
1,3-Dichloropropane	5.00	ND	5.54	4.22	111	84.4	1	38.0-147			27.0	27
cis-1,3-Dichloropropene	5.00	ND	5.01	3.79	100	75.8	1	34.0-149			27.7	28
trans-1,3-Dichloropropene	5.00	ND	5.55	4.09	111	81.8	1	32.0-149		J3	30.3	28
2,2-Dichloropropane	5.00	ND	5.66	4.27	113	85.4	1	24.0-152			28.0	29
Di-isopropyl ether	5.00	ND	5.55	4.33	111	86.6	1	21.0-160			24.7	28
Ethylbenzene	5.00	ND	5.25	3.83	105	76.6	1	30.0-155		J3	31.3	27
Hexachloro-1,3-butadiene	5.00	ND	4.68	3.68	93.6	73.6	1	20.0-154			23.9	34
Isopropylbenzene	5.00	ND	5.11	3.75	102	75.0	1	28.0-157		J3	30.7	27
p-Isopropyltoluene	5.00	ND	4.92	3.68	98.4	73.6	1	30.0-154			28.8	29
2-Butanone (MEK)	25.0	ND	23.7	19.2	94.8	76.8	1	10.0-160			21.0	32
Methylene Chloride	5.00	ND	5.42	ND	108	84.2	1	23.0-144			25.1	28
4-Methyl-2-pentanone (MIBK)	25.0	ND	30.1	24.0	120	96.0	1	29.0-160			22.6	29
Methyl tert-butyl ether	5.00	ND	5.44	4.43	109	88.6	1	28.0-150			20.5	29
Naphthalene	5.00	ND	ND	ND	72.2	61.4	1	12.0-156			16.2	35
n-Propylbenzene	5.00	ND	4.89	3.68	97.8	73.6	1	31.0-154		J3	28.2	28

L1864335-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1864335-01 05/31/25 21:18 • (MS) R4223638-4 06/01/25 02:37 • (MSD) R4223638-5 06/01/25 02:57

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Styrene	5.00	ND	5.55	4.10	111	82.0	1	33.0-155		J3	30.1	28
1,1,1,2-Tetrachloroethane	5.00	ND	5.83	4.32	117	86.4	1	36.0-151		J3	29.8	29
1,1,2,2-Tetrachloroethane	5.00	ND	5.75	4.59	115	91.8	1	33.0-150			22.4	28
1,1,2-Trichlorotrifluoroethane	5.00	ND	4.81	3.74	96.2	74.8	1	23.0-160			25.0	30
Tetrachloroethene	5.00	ND	5.16	3.58	103	71.6	1	10.0-160		J3	36.2	27
Toluene	5.00	ND	5.29	4.10	106	82.0	1	26.0-154			25.3	28
1,2,3-Trichlorobenzene	5.00	ND	4.21	3.65	84.2	73.0	1	17.0-150			14.2	36
1,2,4-Trichlorobenzene	5.00	ND	3.76	3.11	75.2	62.2	1	24.0-150			18.9	33
1,1,1-Trichloroethane	5.00	ND	5.79	4.04	116	80.8	1	23.0-160		J3	35.6	28
1,1,2-Trichloroethane	5.00	ND	5.51	4.24	110	84.8	1	35.0-147			26.1	27
Trichloroethene	5.00	ND	5.06	4.01	101	80.2	1	10.0-160			23.2	25
Trichlorofluoromethane	5.00	ND	6.13	ND	123	92.2	1	17.0-160			28.3	31
1,2,3-Trichloropropane	5.00	ND	5.83	4.53	117	90.6	1	34.0-151			25.1	29
1,2,4-Trimethylbenzene	5.00	ND	4.89	3.71	97.8	74.2	1	26.0-154		J3	27.4	27
1,2,3-Trimethylbenzene	5.00	ND	5.27	3.95	105	79.0	1	32.0-149		J3	28.6	28
1,3,5-Trimethylbenzene	5.00	ND	5.03	3.85	101	77.0	1	28.0-153			26.6	27
Vinyl chloride	5.00	ND	5.91	4.16	118	83.2	1	10.0-160		J3	34.8	27
Xylenes, Total	15.0	ND	15.1	11.0	101	73.3	1	29.0-154		J3	31.4	28
(S) Toluene-d8					*100*	*98.1*		*80.0-120*				
(S) 4-Bromofluorobenzene					*98.2*	*96.4*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*101*	*101*		*70.0-130*				

L1864208-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1864208-02 06/01/25 01:58 • (MS) R4223638-6 06/01/25 03:18 • (MSD) R4223638-7 06/01/25 03:38

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	ND	ND	ND	67.2	62.0	1	10.0-160			8.05	35
Acrolein	25.0	ND	ND	ND	114	106	1	10.0-160			7.30	39
Acrylonitrile	25.0	ND	21.6	20.2	86.4	80.8	1	21.0-160			6.70	32
Benzene	5.00	ND	4.07	4.03	81.4	80.6	1	17.0-158			0.988	27
Bromobenzene	5.00	ND	3.91	3.91	78.2	78.2	1	30.0-149			0.000	28
Bromodichloromethane	5.00	ND	3.97	3.83	79.4	76.6	1	31.0-150			3.59	27
Bromoform	5.00	ND	3.85	3.70	77.0	74.0	1	29.0-150			3.97	29
Bromomethane	5.00	ND	ND	ND	96.6	95.6	1	10.0-160			1.04	38
n-Butylbenzene	5.00	ND	3.41	2.91	68.2	58.2	1	31.0-150			15.8	30
sec-Butylbenzene	5.00	ND	4.02	3.80	80.4	76.0	1	33.0-155			5.63	29
tert-Butylbenzene	5.00	ND	3.96	3.91	79.2	78.2	1	34.0-153			1.27	28
Carbon tetrachloride	5.00	ND	4.30	4.16	86.0	83.2	1	23.0-159			3.31	28

L1864208-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1864208-02 06/01/25 01:58 • (MS) R4223638-6 06/01/25 03:18 • (MSD) R4223638-7 06/01/25 03:38

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chlorobenzene	5.00	ND	4.11	3.69	82.2	73.8	1	33.0-152			10.8	27
Chlorodibromomethane	5.00	ND	4.05	3.68	81.0	73.6	1	37.0-149			9.57	27
Chloroethane	5.00	ND	5.30	ND	106	97.0	1	10.0-160			8.87	30
Chloroform	5.00	ND	ND	ND	83.2	82.0	1	29.0-154			1.45	28
Chloromethane	5.00	ND	3.19	3.22	63.8	64.4	1	10.0-160			0.936	29
2-Chlorotoluene	5.00	ND	4.11	3.83	82.2	76.6	1	32.0-153			7.05	28
4-Chlorotoluene	5.00	ND	3.86	3.71	77.2	74.2	1	32.0-150			3.96	28
1,2-Dibromo-3-Chloropropane	5.00	ND	ND	ND	72.2	68.8	1	22.0-151			4.82	34
1,2-Dibromoethane	5.00	ND	3.96	3.59	79.2	71.8	1	34.0-147			9.80	27
Dibromomethane	5.00	ND	4.03	3.97	80.6	79.4	1	30.0-151			1.50	27
1,2-Dichlorobenzene	5.00	ND	3.84	3.75	76.8	75.0	1	34.0-149			2.37	28
1,3-Dichlorobenzene	5.00	ND	3.97	3.77	79.4	75.4	1	36.0-146			5.17	27
1,4-Dichlorobenzene	5.00	ND	3.66	3.55	73.2	71.0	1	35.0-142			3.05	27
Dichlorodifluoromethane	5.00	ND	ND	ND	83.6	77.0	1	10.0-160			8.22	29
1,1-Dichloroethane	5.00	ND	4.37	4.28	87.4	85.6	1	25.0-158			2.08	27
1,2-Dichloroethane	5.00	ND	4.14	3.99	82.8	79.8	1	29.0-151			3.69	27
1,1-Dichloroethene	5.00	ND	4.33	4.08	86.6	81.6	1	11.0-160			5.95	29
cis-1,2-Dichloroethene	5.00	ND	4.32	3.96	86.4	79.2	1	10.0-160			8.70	27
trans-1,2-Dichloroethene	5.00	ND	4.03	3.91	80.6	78.2	1	17.0-153			3.02	27
1,2-Dichloropropane	5.00	ND	3.87	3.76	77.4	75.2	1	30.0-156			2.88	27
1,1-Dichloropropene	5.00	ND	3.56	3.67	71.2	73.4	1	25.0-158			3.04	27
1,3-Dichloropropane	5.00	ND	4.01	3.71	80.2	74.2	1	38.0-147			7.77	27
cis-1,3-Dichloropropene	5.00	ND	3.63	3.48	72.6	69.6	1	34.0-149			4.22	28
trans-1,3-Dichloropropene	5.00	ND	4.02	3.63	80.4	72.6	1	32.0-149			10.2	28
2,2-Dichloropropane	5.00	ND	4.03	4.04	80.6	80.8	1	24.0-152			0.248	29
Di-isopropyl ether	5.00	ND	4.03	3.86	80.6	77.2	1	21.0-160			4.31	28
Ethylbenzene	5.00	ND	4.11	3.82	82.2	76.4	1	30.0-155			7.31	27
Hexachloro-1,3-butadiene	5.00	ND	3.90	3.16	78.0	63.2	1	20.0-154			21.0	34
Isopropylbenzene	5.00	ND	3.86	3.58	77.2	71.6	1	28.0-157			7.53	27
p-Isopropyltoluene	5.00	ND	3.66	3.41	73.2	68.2	1	30.0-154			7.07	29
2-Butanone (MEK)	25.0	ND	17.5	16.2	70.0	64.8	1	10.0-160			7.72	32
Methylene Chloride	5.00	ND	ND	ND	80.6	80.6	1	23.0-144			0.000	28
4-Methyl-2-pentanone (MIBK)	25.0	ND	21.7	19.6	86.8	78.4	1	29.0-160			10.2	29
Methyl tert-butyl ether	5.00	ND	3.96	3.69	79.2	73.8	1	28.0-150			7.06	29
Naphthalene	5.00	ND	ND	ND	57.8	56.6	1	12.0-156			2.10	35
n-Propylbenzene	5.00	ND	3.66	3.59	73.2	71.8	1	31.0-154			1.93	28
Styrene	5.00	ND	4.17	3.96	83.4	79.2	1	33.0-155			5.17	28
1,1,1,2-Tetrachloroethane	5.00	ND	4.25	4.16	85.0	83.2	1	36.0-151			2.14	29
1,1,2,2-Tetrachloroethane	5.00	ND	4.49	3.99	89.8	79.8	1	33.0-150			11.8	28
1,1,2-Trichlorotrifluoroethane	5.00	ND	4.39	3.80	87.8	76.0	1	23.0-160			14.4	30

L1864208-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1864208-02 06/01/25 01:58 • (MS) R4223638-6 06/01/25 03:18 • (MSD) R4223638-7 06/01/25 03:38

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Tetrachloroethene	5.00	ND	3.89	3.32	77.8	66.4	1	10.0-160			15.8	27
Toluene	5.00	ND	3.89	3.65	77.8	73.0	1	26.0-154			6.37	28
1,2,3-Trichlorobenzene	5.00	ND	3.28	3.35	65.6	67.0	1	17.0-150			2.11	36
1,2,4-Trichlorobenzene	5.00	ND	2.94	2.79	58.8	55.8	1	24.0-150			5.24	33
1,1,1-Trichloroethane	5.00	ND	4.28	4.15	85.6	83.0	1	23.0-160			3.08	28
1,1,2-Trichloroethane	5.00	ND	4.07	3.83	81.4	76.6	1	35.0-147			6.08	27
Trichloroethene	5.00	ND	4.12	3.81	82.4	76.2	1	10.0-160			7.82	25
Trichlorofluoromethane	5.00	ND	ND	ND	95.2	91.8	1	17.0-160			3.64	31
1,2,3-Trichloropropane	5.00	ND	3.89	3.83	77.8	76.6	1	34.0-151			1.55	29
1,2,4-Trimethylbenzene	5.00	ND	3.69	3.59	73.8	71.8	1	26.0-154			2.75	27
1,2,3-Trimethylbenzene	5.00	ND	3.97	3.86	79.4	77.2	1	32.0-149			2.81	28
1,3,5-Trimethylbenzene	5.00	ND	3.86	3.57	77.2	71.4	1	28.0-153			7.81	27
Vinyl chloride	5.00	ND	4.42	4.23	88.4	84.6	1	10.0-160			4.39	27
Xylenes, Total	15.0	ND	11.6	10.9	77.3	72.7	1	29.0-154			6.22	28
(S) Toluene-d8					*98.1*	*95.8*		*80.0-120*				
(S) 4-Bromofluorobenzene					*99.6*	*95.9*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*101*	*101*		*70.0-130*				

Method Blank (MB)

(MB) R4223658-1 05/31/25 17:51

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
C10-C28 Diesel Range	U		60.5	100
C28-C36 Motor Oil Range	U		77.2	100
(S) o-Terphenyl	*87.5*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4223658-2 05/31/25 18:12 • (LCSD) R4223658-3 05/31/25 18:34

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	1500	1490	1440	99.3	96.0	50.0-150			3.41	20
(S) o-Terphenyl				*116*	*111*	*52.0-156*				

Method Blank (MB)

(MB) R4223624-3 05/31/25 20:26

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acenaphthene	U		0.0886	1.00
Acenaphthylene	U		0.0921	1.00
Anthracene	U		0.0804	1.00
Benzidine	U		3.74	10.0
Benzo(a)anthracene	U		0.199	1.00
Benzo(b)fluoranthene	U		0.130	1.00
Benzo(k)fluoranthene	U		0.120	1.00
Benzo(g,h,i)perylene	U		0.121	1.00
Benzo(a)pyrene	U		0.0381	1.00
Bis(2-chlorethoxy)methane	U		0.116	10.0
Bis(2-chloroethyl)ether	U		0.137	10.0
2,2-Oxybis(1-Chloropropane)	U		0.210	10.0
4-Bromophenyl-phenylether	U		0.0877	10.0
2-Chloronaphthalene	U		0.0648	1.00
4-Chlorophenyl-phenylether	U		0.0926	10.0
Chrysene	U		0.130	1.00
Dibenz(a,h)anthracene	U		0.0644	1.00
1,2-Dichlorobenzene	U		0.0713	10.0
1,3-Dichlorobenzene	U		0.132	10.0
1,4-Dichlorobenzene	U		0.0942	10.0
3,3-Dichlorobenzidine	U		0.212	10.0
2,4-Dinitrotoluene	U		0.0983	10.0
2,6-Dinitrotoluene	U		0.250	10.0
Fluoranthene	U		0.102	1.00
Fluorene	U		0.0844	1.00
Hexachlorobenzene	U		0.0755	1.00
Hexachloro-1,3-butadiene	U		0.0968	10.0
Hexachlorocyclopentadiene	U		0.0598	10.0
Hexachloroethane	U		0.127	10.0
Indeno(1,2,3-cd)pyrene	U		0.279	1.00
Isophorone	U		0.143	10.0
1-Methylnaphthalene	U		0.0790	1.00
2-Methylnaphthalene	U		0.117	1.00
Naphthalene	U		0.159	1.00
Nitrobenzene	U		0.297	10.0
n-Nitrosodimethylamine	U		0.998	10.0
n-Nitrosodiphenylamine	U		2.37	10.0
n-Nitrosodi-n-propylamine	U		0.261	10.0
Phenanthrene	U		0.112	1.00
Benzylbutyl phthalate	U		0.765	3.00

Method Blank (MB)

(MB) R4223624-3 05/31/25 20:26

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Bis(2-ethylhexyl)phthalate	U		0.895	3.00
Di-n-butyl phthalate	U		0.453	3.00
Diethyl phthalate	U		0.287	3.00
Dimethyl phthalate	U		0.260	3.00
Di-n-octyl phthalate	U		0.932	3.00
Pyrene	U		0.107	1.00
1,2,4-Trichlorobenzene	U		0.0698	10.0
4-Chloro-3-methylphenol	U		0.131	10.0
2-Chlorophenol	U		0.133	10.0
2,4-Dichlorophenol	U		0.102	10.0
2,4-Dimethylphenol	U		0.0636	10.0
4,6-Dinitro-2-methylphenol	U		1.12	10.0
2,4-Dinitrophenol	U		5.93	10.0
2-Nitrophenol	U		0.117	10.0
4-Nitrophenol	U		0.143	10.0
Pentachlorophenol	U		0.313	10.0
Phenol	U		4.33	10.0
2,4,6-Trichlorophenol	U		0.100	10.0
(S) 2-Fluorophenol	*35.0*			*10.0-120*
(S) Phenol-d5	*22.3*			*10.0-120*
(S) Nitrobenzene-d5	*74.1*			*10.0-127*
(S) 2-Fluorobiphenyl	*67.6*			*10.0-130*
(S) 2,4,6-Tribromophenol	*52.0*			*10.0-155*
(S) p-Terphenyl-d14	*74.2*			*10.0-128*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4223624-1 05/31/25 19:44 • (LCSD) R4223624-2 05/31/25 20:05

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acenaphthene	50.0	33.5	38.4	67.0	76.8	41.0-120			13.6	22
Acenaphthylene	50.0	35.1	40.5	70.2	81.0	43.0-120			14.3	22
Anthracene	50.0	33.0	36.7	66.0	73.4	45.0-120			10.6	20
Benzidine	100	3.48	4.03	3.48	4.03	10.0-120	J4	J4	14.6	36
Benzo(a)anthracene	50.0	36.7	39.5	73.4	79.0	47.0-120			7.35	20
Benzo(b)fluoranthene	50.0	33.9	36.6	67.8	73.2	46.0-120			7.66	20
Benzo(k)fluoranthene	50.0	33.7	36.6	67.4	73.2	46.0-120			8.25	21
Benzo(g,h,i)perylene	50.0	40.4	42.5	80.8	85.0	48.0-121			5.07	20
Benzo(a)pyrene	50.0	35.4	38.7	70.8	77.4	47.0-120			8.91	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4223624-1 05/31/25 19:44 • (LCSD) R4223624-2 05/31/25 20:05

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bis(2-chlorethoxy)methane	50.0	29.7	34.5	59.4	69.0	33.0-120			15.0	24
Bis(2-chloroethyl)ether	50.0	33.7	34.9	67.4	69.8	23.0-120			3.50	33
2,2-Oxybis(1-Chloropropane)	50.0	27.4	33.5	54.8	67.0	28.0-120			20.0	31
4-Bromophenyl-phenylether	50.0	32.4	35.4	64.8	70.8	45.0-120			8.85	20
2-Chloronaphthalene	50.0	29.5	34.3	59.0	68.6	37.0-120			15.0	25
4-Chlorophenyl-phenylether	50.0	35.8	39.5	71.6	79.0	44.0-120			9.83	20
Chrysene	50.0	35.6	38.4	71.2	76.8	48.0-120			7.57	20
Dibenz(a,h)anthracene	50.0	42.2	45.0	84.4	90.0	47.0-120			6.42	20
1,2-Dichlorobenzene	50.0	24.3	31.5	48.6	63.0	20.0-120			25.8	34
1,3-Dichlorobenzene	50.0	24.9	31.8	49.8	63.6	17.0-120			24.3	35
1,4-Dichlorobenzene	50.0	25.1	32.2	50.2	64.4	18.0-120			24.8	34
3,3-Dichlorobenzidine	100	65.5	76.3	65.5	76.3	44.0-120			15.2	20
2,4-Dinitrotoluene	50.0	40.5	45.2	81.0	90.4	49.0-124			11.0	20
2,6-Dinitrotoluene	50.0	37.5	41.7	75.0	83.4	46.0-120			10.6	21
Fluoranthene	50.0	39.8	43.5	79.6	87.0	51.0-120			8.88	20
Fluorene	50.0	35.6	39.4	71.2	78.8	47.0-120			10.1	20
Hexachlorobenzene	50.0	30.0	32.4	60.0	64.8	44.0-120			7.69	20
Hexachloro-1,3-butadiene	50.0	20.3	24.9	40.6	49.8	19.0-120			20.4	32
Hexachlorocyclopentadiene	50.0	10.2	13.5	20.4	27.0	15.0-120			27.8	31
Hexachloroethane	50.0	24.5	31.7	49.0	63.4	15.0-120			25.6	37
Indeno(1,2,3-cd)pyrene	50.0	42.1	44.8	84.2	89.6	49.0-122			6.21	20
Isophorone	50.0	29.5	34.3	59.0	68.6	36.0-120			15.0	23
1-Methylnaphthalene	50.0	29.5	34.5	59.0	69.0	33.0-120			15.6	24
2-Methylnaphthalene	50.0	28.9	33.4	57.8	66.8	33.0-120			14.4	25
Naphthalene	50.0	24.9	29.7	49.8	59.4	27.0-120			17.6	27
Nitrobenzene	50.0	25.8	30.9	51.6	61.8	27.0-120			18.0	29
n-Nitrosodimethylamine	50.0	22.3	25.6	44.6	51.2	10.0-120			13.8	40
n-Nitrosodiphenylamine	50.0	32.6	36.6	65.2	73.2	47.0-120			11.6	20
n-Nitrosodi-n-propylamine	50.0	32.5	37.7	65.0	75.4	31.0-120			14.8	28
Phenanthrene	50.0	33.4	36.6	66.8	73.2	46.0-120			9.14	20
Benzylbutyl phthalate	50.0	35.8	38.4	71.6	76.8	43.0-121			7.01	20
Bis(2-ethylhexyl)phthalate	50.0	34.0	37.0	68.0	74.0	43.0-122			8.45	20
Di-n-butyl phthalate	50.0	38.4	42.9	76.8	85.8	49.0-121			11.1	20
Diethyl phthalate	50.0	37.9	41.1	75.8	82.2	48.0-122			8.10	20
Dimethyl phthalate	50.0	38.4	41.7	76.8	83.4	48.0-120			8.24	20
Di-n-octyl phthalate	50.0	36.8	39.1	73.6	78.2	42.0-125			6.06	20
Pyrene	50.0	32.6	35.1	65.2	70.2	47.0-120			7.39	20
1,2,4-Trichlorobenzene	50.0	24.4	29.4	48.8	58.8	24.0-120			18.6	29
4-Chloro-3-methylphenol	50.0	25.5	30.0	51.0	60.0	40.0-120			16.2	21
2-Chlorophenol	50.0	19.6	25.9	39.2	51.8	25.0-120			27.7	35

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4223624-1 05/31/25 19:44 • (LCSD) R4223624-2 05/31/25 20:05

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
2,4-Dichlorophenol	50.0	23.1	28.3	46.2	56.6	36.0-120			20.2	26
2,4-Dimethylphenol	50.0	22.5	27.2	45.0	54.4	33.0-120			18.9	26
4,6-Dinitro-2-methylphenol	50.0	34.5	40.0	69.0	80.0	38.0-138			14.8	25
2,4-Dinitrophenol	50.0	29.7	39.8	59.4	79.6	10.0-120			29.1	39
2-Nitrophenol	50.0	27.1	33.2	54.2	66.4	31.0-120			20.2	29
4-Nitrophenol	50.0	11.3	13.4	22.6	26.8	10.0-120			17.0	33
Pentachlorophenol	50.0	19.0	27.7	38.0	55.4	23.0-120		J3	37.3	25
Phenol	50.0	9.08	10.9	18.2	21.8	10.0-120			18.2	36
2,4,6-Trichlorophenol	50.0	29.2	34.4	58.4	68.8	42.0-120			16.4	23
(S) 2-Fluorophenol				*27.8*	*36.2*	*10.0-120*				
(S) Phenol-d5				*19.4*	*23.0*	*10.0-120*				
(S) Nitrobenzene-d5				*56.3*	*68.3*	*10.0-127*				
(S) 2-Fluorobiphenyl				*64.4*	*73.4*	*10.0-130*				
(S) 2,4,6-Tribromophenol				*55.0*	*61.0*	*10.0-155*				
(S) p-Terphenyl-d14				*66.0*	*71.4*	*10.0-128*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
T8	Sample(s) received past/too close to holding time expiration.

Qualifier	Description
V	The sample concentration is too high to evaluate accurate spike recoveries.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Pace® Location Requested (City/State):

Pace National, 12065 Lebanon Road, Mt. Juliet, TN 37122

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

D222

LN86785

Company Name: CTEH, LLC	Contact/Report To: Chevron-Bishop, Kyle Lawrence, Tami McMullin, Andy Henault, Eric Catlin, Madelyn Klinkerman
Street Address: 5120 North Shore Drive, North Little Rock, AR 72118	Phone #:
	E-Mail: chevron_bishop@cteh.com; kylelawrence@cteh.com; tmcmullin@cteh.com; ahenault@cteh.com
	Cc E-Mail: ecatlin@cteh.com; mklinkerman@cteh.com
Customer Project #: PROJ-054017	Invoice to: CTEH
Project Name: Bishop Loss of Containment	Invoice E-mail: ctehap@montrose-env.com
Site Collection Info/Facility ID (as applicable): Galeton, CO	Purchase Order # (if applicable):
	Quote #:
Time Zone Collected: [ ] AK [ ] PT [X] MT [ ] CT [ ] ET	County / State origin of sample(s): CO
Data Deliverables: [X] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other_____	Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
	Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other _____ Date Results Requested:
	DW PWSID # or WW Permit # as applicable:
	Field Filtered (if applicable): [X] Yes [ ] No
	Analysis: Dissolved Metals

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **

6 x 7	5 x 2	3 x 1	3 x 1	10 x 1	1 x 2	3,4	3 x 1	3 x 1	2 x 1
Identify Container Preservative Type***									
4	1	2	2	11	1	1	3	3	1
Analysis Requested									

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	VOCs 8260D; TPH-GRO/DRO/ORO 8015D	SVOCs 8270E	Total Metals 6020B; Hardness 130.1	Dissolved Metals 6020B	Hexavalent Chromium	TDS; TSS	Anions; Alkalinity; pH	Total Phosphorus; Total Nitrogen; TKN; Ammonia	TOC	MBAS	Sample Comment
GAC00530SDW001	SW	G	-	-	5/30/2025	0815	19	-	-	X	X	X	X	X	X	X	X	X	X	-01
GAC00530SDWT001	OT	-	-	-	5/30/2025	0700	1	-	-	X	-	-	-	-	-	-	-	-	-	-02

MB

TLA9 2.0+0.4=2.4

Sample Receipt Checklist

COC Seal Present/Intact:	X Y N NP	If Applicable	
COC Signed/Accurate:	Y N	VOA Zero Headspace:	Y N
Bottles arrive intact:	Y N	Pres. Correct/Check:	Y N
Correct bottles used:	Y N		
Sufficient volume sent:	Y N	Condition: NCF	OK
RA Screen <0.5 mR/hr:	X Y N		

Count=19

Lab Use Only

Proj. Mgr: 546-Jared Starkey

AcctNum / Client ID: CTEHER

Table #:

Profile / Template: T271979

Prelog / Bottle Ord. ID:

Preservation non-conformance identified for sample.

Additional Instructions from Pace® :

VOC and SVOC full list; Total Metals TAL+B; Dissolved Metals Al, As, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, Zn; Anions Br, Cl, F, SO4, NO2, NO3

Collected By: Printed Name M. Beck Signature

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C):	Corrected Temp. (°C):	[ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
CTEH	5-30-25 1800	Pace	5-30-25 1800	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier
			5/31/25 11:30	[ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

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PH – 10BDH0941
TRC – 4072A72